

Attorney Docket No.: 2002-0324A

Serial No.: 10/070,131

February 16, 2005**AMENDMENTS TO THE CLAIMS:**

1. (Currently amended) A cGMP-visualizing probe, comprising:
a polypeptide that binds specifically to cGMP, wherein the polypeptide is obtained by deleting amino acids 1 to 47 of cGMP-dependent protein kinase Ia (PKG Ia); and
two chromophores with different fluorescence wavelengths, one of which is linked to the N-terminal and the other of which is linked to the C-terminal of the polypeptide, wherein the chromophores are capable of exhibiting fluorescence resonance energy transfer (FRET).

2-3. (Canceled)

4. (Previously presented) The cGMP-visualizing probe of claim 1, wherein the chromophores are cyan fluorescent protein linked to the N-terminal of the polypeptide and yellow fluorescent protein linked to the C-terminal of the polypeptide.

5. (Previously presented) A method for detecting and quantifying cGMP, which comprises:
making the cGMP-visualizing probe of claim 1 coexist with cGMP; and
measuring the change in the fluorescence wavelength.

6-9. (Canceled)